

## **METHODS OF DETECTING SPECIFIC CELL LYSIS**

### **ABSTRACT OF THE DISCLOSURE**

[00170] The present invention provides methods of detecting specific lysis of a cell by a lytic agent. The methods generally involve contacting a labeled target cell with a lytic agent; and detecting fluorescence in the target cell. The target cells are labeled with two fluorescent labels: a first fluorescent label that labels the plasma membrane; and a second fluorescent label that labels the cytosol. Release of the cytosolic label from the target cell indicates that the target cell has been lysed. The invention further provides methods of detecting the presence in a sample of a cell that specifically lyses a target cell. The invention further provides methods of detecting the presence in a sample of an antibody that specifically lyses a target cell. The methods are useful in a variety of applications.

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